NORTHERN SAN DIEGO COUNTY

W6NWG

# Scope

THE PALOMAR AMATEUR RADIO CLUB, INC.
POST OFFICE BOX 1603
VISTA, CALIFORNIA 92083-0530

VOL. XXIV, NO., 1 1936 - 1983 JANUARY, 1984

PRESIDENT: Ed Ross, N6GZI, San Diego
VICE PRESIDENT: Bill Cunningham, N6GSS, Fallbrook
SECRETARY: Billy McCord, WB6TBQ, Vista
TREA$URER: John Tentor, W6OLQ, San Diego
EDITOR: Ralph Crossman, K6HAV, Vista

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READ ALL ABOUT IT! FCC VOTES DOWN THE NO-CODE CONCEPT! READ ALL ABOUT IT!

ARRL Bulletin 134 of December 14 said that the FCC, on December 14, in the strongest possible manner, voterd to retain the Morse Code requirement for all classes of amateur radio license. The vote was unanimous to repeal the concept of "no code".

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MEMBERSHIP IN THE PALOMAR AMATEUR RADIO CLUB is $12 per year with no initiation fee, and includes a subscription to SCOPE - like it or not. The Club's fiscal year starts August 1st. New memberships are pro-rated starting in November. Reenlistments pay the full tab whenever they occur. Family memberships are $12 for the first member and $9.50 for each subsequent family member living at the same address. For the occasional character who wants SCOPE without benefit of club membership, the tab is $2.50 per annum or yearly, whichever comes first.

THE DEADLINE FOR MATERIAL FOR SCOPE is two weeks prior to the club meeting. Material for inclusion in SCOPE should be mailed to P.O. BOX 73, VISTA, CA 92083. All other correspondence should be directed to P.O. Box 1603, Vista, Ca 92083-0530.

CLUB MEETINGS take place on the first Wednesday of the month at 7:30 p.m. in the Community Room of Glendale Federal Savings and Loan Association at the corner of East Vista Way and Anza in Vista. The Club's ANNUAL PICNIC is in August. Lucky holders of tickets win prizes at the picnic. Tickets are given for joining and re-joining the Club and for participation in club activities. One ticket for each attendance.

OFFICIAL CLUB BADGES are available from the club Trea$urer. He does require money and also feels that is only proper that you provide him with your name and call sign if you want them on your very own badge (just like the big guys have.)

TWO REPEATERS utilizing the club call sign, W6NWG, are owned and operated by the Club. One is on 146.130 mHz input and 146.730 mHz output. The other is on an input of 444.425 mHz with an output of 449.425 mHz. They are co-located on the Club's property on Mount Palomar at about 5,600' elevation; and are open repeaters for club members and occasional and transient users.

CLUB POLICY CONCERNING INTERFERENCE ON THE REPEATERS is: 1. Ignore the jammer. To recognize him gives him the attention he seeks. 2. Locate the jammer. All stations hearing interference should listen on the repeater input and attempt to hear and determine the direction from which the interferring signal is coming. Note any peculiarity and the strength of the signal. When active mobile direction finding is underway, the non-recognition policy in 1., above, may be blatantly ignored by club officers or control operators for obvious reasons. DO NOT discuss active DF activities on the air on any frequency.

THE NORTH COUNTY TRAFFIC NET is operated by the Club, and meets nightly on W6NWG/R at 2000 local to pass formal written traffic. No net on club meeting nights. Visitors are welcome.

## JANUARY CLUB MEETING

THE PROGRAM for the evening will be presented by Michael Tentler on the subject of the Soviet System in Relation to Radio. Mr. Tentler, who holds a PHD in Electronics Engineering was born in Moscow and reared in Russia.

THE BUSINESS PORTION will feature the installation of the Club's officers for the coming year.

SHOW AND TELL will feature a display of an 81 db pad with one db steps, and another spike filter for computers and other voltage-sensitive equipment. Bob, KA6HZF, will display a 2M RDF antenna.

There will be a SILENT AUCTION on some of the small items which will be out on the auction table with cards for your bid. Write your bid and call sign on the card before the meeting and during the coffee break. At the end of the break, the high bid will win. You may bid as many times as you wish until the close of bidding. If you are the high bidder, you pays your

money and you takes your merchandise. Items will include an early Polaroid Camera with filters and light meter (a collector's item), an oxygen regulator with guages for pressure and liters per minute, a darkroom timer, a Millen Grid Dip Oscillator, Ham Radio magazines and other items from the estate of W6SCI.

The Club will also have for sale donated avocadoes and lemons. Check with the head of the household and see what you need to bring home.

COFFEE AND GOODIES will be by Matt, KA6QFF (coffee - great, as usual) and those great low-cal goodies by Susan and Linda Rohrer. The goodies will be Guacamole and chips.

## DECEMBER CLUB MEETING

At the December club meeting, Warren Hodges, W6DHX, of Rancho Bernardo, gave us a very interesting illustrated presentation on Hidden Antennas. His talk was very well received and his "weather vane" 2M antenna was applauded.

During Show and Tell, Stan, W9FQN, told us about his book listing amateur license holders by name; Marty, K6NS, showed us his 2M four element home-brew quad, and an RDF antenna built from an article in QST.

The reading of the minutes was dispensed with. The Trea$urer's report was read and approved. Election of officers for 1984 was held. Nominations from the floor were Bob Hoover, KA6HZF, President; and Stan Rohrer, W9FQN, Vice President. Both nominations were declined. The Slate of officers nominated by the Nominating Committee was elected unanimously. It is as follows: President, Ed Ross, N6GZI; Vice President, Bill Cunningham, N6GSS; Secretary, Billy McCord, WB6TBQ; Trea$urer, John Tentor, W6OLQ.

A silent auction was conducted and the Club made a penny or two, thanks to Stan, W9FQN, who took the time to set it up and collect the money for the Club; and to Bob, KA6HZF, and to Pat, N6INN, both of whom took home un-needed items in attempts to start the bidding or to bid the items up. The auctioned items were donated to the Club from the estate of Walt, W6SCI.

Matt's coffee was great, as were the Xmas tasties and punch from Linda, Susan, and Barbara Rohrer, KA6FPS.

A fine meeting, excellent entertainment and refreshments, a good turnout, and the other half of the family won a prize, so a grand time was had by all.

## EXECUTIVE COMMITTEE MEETING

THE EXECUTIVE COMMITTEE, consisting of the Club's officers and committee chairmen, meets on the second Thursday of the month at Carrow's Restaurant at the corner of South Santa Fe and Santa Fe Place in Vista. Without fail, the meeting usually starts at 7:30 p.m. Club members are welcome to attend and observe - quietly and with true ham decorum.

AT THE DECEMBER MEETING: Felix, N6IE, was appointed as Chairman of the Interference Committee. Members who copy interference to the repeaters on the input should call Felix at 724-4772 and inform him. ED, N6GZI, said that any member wishing to participate in the Volunteer Examiner Program should inform him. The Committee authorized Stan, W9FQN, to spend up to $75 on anchor bolts for the Club's new tower.

A grand time was had by all.

## TOWER DONATED BY RADIO STATION KOGO RECEIVED. $$$NEEDED FOR INSTALLATION

Plans are proceeding apace to come by the wherewithall necessary to buy the re-bar and concrete necessary to pour the base. If you'd like to help, make your check payable to the Palomar Amateur Radio Club, Tower Fund, and send it to the PARC, P.O. Box 1603, Vista, CA 92083-0530. Every little bit helps and it's going to take quite a little bit!

Thanks to Carl and Leona Wallace, K6YEO and WA6OHB; Ron Wilhemy, KF6ND; Wade Moore, KE6XF; Bob Hoover, KA6HZF; and Chuck Calvert, KA6GRG; for their donations to the Tower Fund.

## LICENSE EXPIRATIONS

1/84: WB6TBQ. 2/84: WA7FUI, K6PP, WA6SVN, and W6QWH. 3/84: WB7NFH. Y'all get hot and send 'em your 610s. They're not THAT deregulated!

If you want to be reminded of your license expiration date, get it to the Gint Computer by calling Phil, K6ROR, at 724-0098, or on the repeater to Phil or Joe, WB6HMY.

## BADGES

Badges anxiously awaiting their owners, who are: WD6ATX, WD6BEZ, WD6CLG, N6DRX, VE2EP, WB6GXP, NE6K, KA6MLY, KA6MWU, K4NLM, and WA6TIJ, are available from our aging-but-agile club treasurer, W6OLQ.

## THE PREZ SAYS

Dear Members: This has been a difficult, but fruitful year for the PARC. In 1983 we have lost several key members. One, Bob Clark, N6DYO, was our president; another Walt, W6SCI, control operator, cop; and Les, W6JSL, was the owner of the repeater site who gave us first choice to purchase it. These folks and others have passed away during the year - may they rest in peace.

For nine of the last 12 months, I have been your acting President and in that time, with tireless help of the Executive Committee and others we have moved the Club along the path which Bob, N6DYO, set before us in late 1982. Our goals were to finalize incorporation, improve the meetings, and acquire the repeater site.

These goals have been met. In addition, we have acquired a 3.5 KW generator and a commercial grade 70' tower, both through donations. The generator from PACIFIC TELEPHONE COMPANY, and the tower from radio stations KOGO and KPRI.

Aside from, and more important than, the acquisition of material goodies, is the rekindling of the spirit and cohesiveness of our club. To this end we have worked very hard to get our former, present and new members to come to our General Membership Meetings.

To do this we have improved our selection of guest speakers, added Show and Tell, Silent Auction, and home made goodies, kept the same fine coffee, given great prizes, and SHORTENED business meetings.

Other than meetings, our members have participated in three disaster drills, 11 public service events, three days of the amateur radio booth at the Del Mar Fair, Sweepstakes '82 (1st in S.D. Section), Field Day '83 (1st in class in S.D. Section and 2nd in Calif.). The membership has also enjoyed a great picnic, some collected prizes, and again awarded our scholarship.

On-going nets on our repeater include the nightly North County Traffic Net, the Sunday morning A.R.E.S. net, the Tuesday morning YL Net and Radio Calendar. When necessary, we have nets to support the Red Cross, Red Flag Patrols, and once for standby at 1:10 a.m. after an earthquake.

Innumberable times our operators have helped people in traffic hazards and accidents, roadside distress and have reported brush fires and suspicious behavior.

The Club also now has a computer-generated financial program of accounting and budgeting.

The SCOPE has gone through some changes which promise to bring us a better quality newsletter which will include some advertising to help defray the expenses of publication.

The Club has also had a table at several swap meets; and has helped the survivors of Silent Key members.

The Executive Committee's plan of action for 1984 includes, but is not limited to, the following:

1. Review of Constitution and By-Laws
2. Installation of our tower
3. Interference Committee
4. Swap Meets/Auctions
5. Public/Private School Programs
6. Amateur Radio Licensing Classes
7. Survivors' Assistance
8. SANDARC Proposals
9. Scholarship Award
10. Field Day
11. Public Service/Disaster Events

In summation, I am most grateful for the kindness, counsel, and encouragement of the membership, especially those who serve you on the Executive Committee. They, by consensus decision making, honest opinions, and amicable disagreement, have moved us through 1983.

Though we have been saddened by the loss of close personal friends, we have continued to march. We can point with pride to our club's many accomplishments. I can promise that we will continue to improve that which we are able to improve; and that we will not attempt to "fix it if it ain't broke."

Good health, Prosperity and Peace in 1984!

Warm regards and 73 de Ed Ross, N6GZI

## COMPUTER CORNER

The ASR-33 advertised in this month's SCOPE is supposed to work with the VIC-20, and can be interfaced easily with one plug and two transistors to the VIC user's port. See me for diagrams. The interface might work with the C-64 computer. Apple Stock dropped from a high of $62 in June to $24 in September. All modems will possibly go up in price by 5% soon because of patent enforcement. Osborne has retreated to the U.K.

de W9FQN

## FORESAIL

(That's no Marconi, that's a jib, son, see the onions)

ASR-33 TTY Machine in good condition. Call Dave, WA6HQM, at 753-2605.

From the estate of Bob Clark, N6DYO: Tempo 2020 80-10M xcvr w/built-in AC pwr supply, spare final & driver tubes, spkr, and mike, Tempo 2010 external VFO, all for $350. A great rig for getting started on HF. Call Ralph, K6HAV, 727-5866.

Teletype machines Models 15, 19, 26, and strip /punch printers), make offer. Call Stan, W9FQN, at 749-00276.

Yaesu FRG-7 communications rx .5 to 30 mHz CW/SSB/AM, five years old, in perfect condx, $165. Call Ray, WA6LUX, at 282-4509, down San Diego way.

Home-brew antenna tuner w/roller inductor and Ameco swr bridge; Heathkit HO-10 Monitor Scope; Swan 500 w/pwr supply. Call Russ, W6HZJ, at 728-8925.

ICom IC255A 25W dual VFO 2M FM xcvr w/"black Box". Hustler CG-154 mobile antenna w/quick disconnect and bumper mount. Call Nate, K2RTQ, at 271-7744.

Motorola 70-120 watt 136-150.8 mHz base station in indoor rack cabinet. All solid state except for tripler, driver, and final. With spare tubes and all documentation. Has GLB synthesizer for frequency control. Would make an excellent repeater. Call Phil, K6ROR, at 724-0098.

Westcom RS-20A power supply, $75. Collins KWM-2A, hf xcvr, round, $400. Collins KWM-2, winged, w/pwr supply, $300. Collins 312-B-5 outboard VFO, round, near new, $350. Call Allen, N7AMR, at 434-5656.

Power supply w/110VAC input and 25VDC @ 25A output, in 19" table-top cabinet. Has Sola Constant Voltage Transformer and 160,000 mFd of filtering, $60. BC-312 military rx, $20. Call Harry, K6EQC, at 941-1610. 10/83

Yaesu TS-720RU 450 mHz 10W FM xcvr w/detachable control head and 3M cable, $250. Never raced. Call Gene, K6EJO, at 727-0811. 11/83

Hi-Gain TH3/3 tri-band beam. Call Russ, WB6STZ, at 583-3297. 9/83

Kenwood TS-120S w/kpwr supply, 500Hz filter, and mike, $500. Call Bob, K7WLX, at 729-5519. 11/83

Clegg 27B 30W FM 146-148 mHz synthesized xcvr w/mobile mount and manual, $75. Call Ralph, K6HAV, at 727-5866.

## WANTED

(Chloe!)

Autek audio filter. Call Russ, W6HZJ, at 728-8925.

Dead or alive. ICom IC-22A. Call Dennis, N6KI, at 271-6079. 10/83

## HELLUP WANTED

(Start houted men)

Full or part-time sales counter help. Also, two-way radio technician. Call Merit, W6NLO, at WESTCOM, at 744-0728.

WHEN ENLISTING OR REENLISTING IN THE ARRL, do so via the PARC and the Club will get $2.00 which would otherwise go to keep the pot boiling in Gnuington (CT 06111), that is and it won't cost you a fat farthing more than if you'd just whizzed off and dealt directly with said ARRL. The tab is $25 per year, two years for $49, or three for $72. Make checks payable to the PARC and get them to Trea$urer John at the P.O. Box 1603 address appearing on the masthead of this thing. Ol' John will jump for joy and $peed to the bank.

ELECTRONICALLY ORIENTED FLEA MARTS in operation are the ones in Santee at the Santee Drive-In Theater at Highway 67 and Mission Gorge Road at 0700 on the first Saturday of the month; and the TRW ARC flea mart at the corner of Compton and Aviation Blvd in Manhattan Beach on the last Saturday of the month, from 0800 to 1100. In June, because of Field Day, the TRW flea mart is on the preceeding Saturday. TRW talk-in frequency is 145.320 mHz simplex.

SURPLUS GOODIES at Hiway Electronics, 305 W. Wisconsin Ave., Oceanside. Aluminum and copper stock from Escondido Sales Yard, 1428 Mission Rd., Escondido. Electronic, mechanical, computer parts, NiCads at Industrial Liquidators, 4887 Convoy St., San Diego.

IF YOU CAN'T SELL IT, or don't want to drive all the way to Santee or TRW, the Club will be happy to take your surplus and sell it to enrich the Club's coffers. The Club will not turn it down (no SCR-522s or magazines need apply - we have piles, thank you). Contact any club officer to make arrangements to donate your surplus IC-751 or 100' self-supporting tower.

## GENERATOR FUND

The Club has received the 3.5KW motor generator set which was donated to it by Pacific Telephone. The motor has been overhauled at a price of about $264, which Ed, N6GZI, has paid. The Executive Committee has voted to establish a Generator Fund to defray the cost of the refurbishment, and to pay for a battery for the generator. Those who would like to contribute can get their money to John, W6OLQ, at any club meeting or to the Club's P.O. Box 1603 address. Let's get Ed off the hook while keeping the Club solvent and capable of paying off its loan on the repeater site.

The generator is currently getting wheels on it, courtesy of N6GZI, while W9FQN and K6NS are getting together a control board for it with metering for frequency, running time, and voltage and current of the AC and DC persuasions.

The Generator Fund is off to a good start. We thank the following contributors to the fund: N6AT, W6BRF, KA6GRG, K6HAV, WB6HMY, W6HUG, KA6HZF, N6INN, WB6IQS, KF6ND, WA6NNC, WA6OHB, W6OLQ, KA6GRG, estate of W6SCI, WB6TBQ, KE6XF, and K6YEO.

## RAIN REPORTS

All you laggards who haven't been reporting your rainfall totals lately had better get hot and do it! Rainfall is reported to the National Weather Service via the Club's 2M repeater. Daily totals for the period 1100-1100 are reported to John, K6QCW, or Joe, WB6HMY, at 1100 daily. Reports should include the 24-hour total in inches and your geographical location such as north San Marcos, central Oseanside, etc. John and Joe phone the reports to the NWS at Lindberg Field. The NWS is also interested in unusual weather phenomena, which may be reported in the same manner as rainfall.

## SICK CALL

Jim Kavan, W6IPP, is reportedly not making any progress. He's in the VA Hospital in La Jolla.

Jack Williams, W6BLL, former PARC member, is also in the VA Hospital and underwent surgery on December 16.

## DOWN THE TOOBE

Joe, WB6HMY, our North County Traffic Net (NCTN) Manager, would like it very much if some of our CW ops could act as Liaison Stations to the Southern California Nets. SCN1 is a 20+ wpm CW net which meets on 3598 kHz at 1900 local; and SCN2 is a 15 (max) wpm CW net which meets on 3598 kHz at 2015 local. Both meet nightly. Our NCTN is a recognized outlet for SCN, and it behooves us to provide liaison stations. Do it!

Leona, WA6OHB, and Carl, K6YEO, send a nice note, accompanied by their contributions to the Tower and the Generator Funds, telling of their "seagoing" Commodore 64 computer. They use a 12V DC TV for a monitor.

John Bescher, WB6ETJ, of Olivenhain, says he's been inactive for several years, and celebrates his reentry into "active duty" by joining the PARC. Welcome, John. We look forward to meeting you.

N6INN's tower is up, as we so accurately predicted in last month's SCOPE, and ready for the installation of five or six antennae. This necessitates the purchase of much coax and rotor control cable. Little by little . . . . . .

We enjoyed hearing Owen Garriott, W5LFL, on three different occasions. We didn't enjoy the repeated attempts by terrestrial stations to transmit to W5LFL on HIS transmit frequencies. Wonder what all those ten frequencies he had to listen on were to be used for???

We are sorry to note the passing of ARRL President Vic Clark, W4KFC, on November 25. Can remember reading about him when we first started in with ham radio.

"That's all", she wrote.

## ADVERTISING

Here is your opportunity to advertise in the SCOPE! Palomar Amateur Radio Club Members are the GOOD GUYS and it pays to do business with them. You can do business with your friends, help the club, and possibly get a "tax write off".

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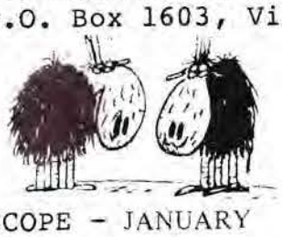

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